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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified)
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Application Number	825,152
Confirmation Number	2360
Filing Date	April 2, 2001
First Named Inventor	James O. Robarts
Group Art Unit	2173
Examiner Name	Unknown

Sheet	1	of	1	Attorney Docket No.	29443-8026US	

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
TH		5,852,814		Allen	12/22/98	
TH		5,995,956		Nguyen	11/30/99	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Foreign Patent or Application Office	NUMBER	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
TH		International Search Report, Application No. PCT/US01/10599, 11/28/02, 3 pages	

EXAMINER Todson Haile	DATE CONSIDERED 11-20-03

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Attorney Docket No.	294438026US		

Sheet	1	of	3

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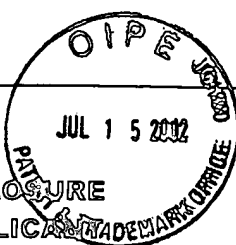| *EXAMINER INITIALS*	Cite No.	U.S. Patent Document NUMBER	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TH	AA	4,916,441		Gombrich	4/10/90	
	AB	5,032,083		Friedman	7/16/91	
	AC	5,201,034		Matsuura et al.	4/6/93	
	AD	5,208,449		Eastman et al.	5/4/93	
	AE	5,214,757		Mauney et al.	5/25/93	
	AF	5,227,614		Danielson et al.	7/13/93	
	AG	5,335,276		Thompson et al.	8/2/94	
	AH	5,416,730		Lookofsky	5/16/95	
	AI	5,470,233		Fruchterman et al.	11/28/95	
	AJ	5,493,692		Theimer et al.	2/20/96	
	AK	5,544,321		Theimer et al.	8/6/96	
	AL	5,555,376		Theimer et al.	9/10/96	
	AM	5,559,520		Barzegar et al.	9/24/96	
	AN	5,568,645		Morris et al.	10/22/96	
	AO	5,601,435		Quy	2/11/97	
	AP	5,603,054		Theimer et al.	2/11/97	
	AQ	5,611,050		Theimer et al.	3/11/97	
	AR	5,642,303		Small et al.	6/24/97	
	AS	5,646,629		Loomis et al.	7/8/97	
	AT	5,719,744		Jenkins et al.	2/17/98	
	AU	5,726,660		Purdy et al.	3/10/98	
	AV	5,751,260		Nappi et al.	5/12/98	
	AW	5,781,913		Felsenstein et al.	7/14/98	
	AX	5,790,974		Tognazzini	8/4/98	
	AY	5,798,733		Ethridge	8/25/98	
	AZ	5,812,865		Theimer et al.	9/22/98	
	BA	5,873,070		Bunte et al.	2/16/99	
	BB	5,878,274		Kono et al.	3/2/99	
	BC	5,902,347		Backman et al.	5/11/99	
	BD	5,910,799		Carpenter et al.	6/8/99	
	BE	5,938,721		Dussell et al.	8/17/99	
	BF	5,948,041		Abo et al.	9/7/99	
	BG	5,959,611		Smailagic et al.	9/28/99	
	BH	5,991,687		Hale et al.	11/23/99	
	BI	6,047,301		Bjorklund et al.	4/4/00	
	BJ	6,064,943		Clark, Jr. et al.	5/16/00	
	BK	6,108,197		Janik	8/22/00	
	BL	6,127,990		Zwern	10/3/00	

EXAMINER	DATE CONSIDERED
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Application Number	09/825,152	Conf. No. 2360
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First Named Inventor	James O. Robarts	
Group Art Unit	2173	
Examiner Name		

Sheet	2	of	3	Attorney Docket No.	294438026US

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TH	BM	Application No. 09/724,777		Abbott et al.	Filed 11/28/00	
	BN	Application No. 09/724,799		Abbott et al.	Filed 11/28/00	
	BO	Application No. 09/724,892		Abbott et al.	Filed 11/28/00	
	BP	Application No. 09/724,893		Abbott et al.	Filed 11/28/00	
	BQ	Application No. 09/724,894		Abbott et al.	Filed 11/28/00	
	BR	Application No. 09/724,932		Abbott et al.	Filed 11/28/00	
	BS	Application No. 09/724,949		Abbott et al.	Filed 11/28/00	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	Foreign Patent Document Office	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
TH	BT	EPO	EP 0823 813A2		Kopin Corporation	2/11/98		
	BU	JPO	05260188		Matsushita Electric Ind. Co. Ltd.	10/8/93	Abstract Only	
	BV	JPO	09091112		Toshiba Corp.	4/4/97	Abstract Only	
	BW	PCT	WO 90/08361		The Scott Fetzer Company	7/26/90		
	BX	PCT	WO 97/03434		Virtual I/O, Inc.	1/30/97		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

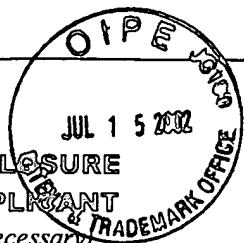| *EXAMINER INITIALS*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published.	T
TH	BY	" 'Affective Understanding:' Modeling and Responding to User Affect," http://www.media.mit.edu/affect/AC_research/understanding.html, pp. 1-3 [Accessed 2 Oct 1998].	
	BZ	"Alps GlidePoint," http://www.alps.com/p17.html, p. 1 [Accessed 2 Oct 1998].	
	CA	"GyroPoint Technology," http://www.gyration.com/html/gyropoint.html, pp. 1-3 [Accessed 2 Oct 1998].	
	CB	"Haptics," http://www.ai.mit.edu/projects/handarm-haptics/haptics.html, pp. 1-2 [Accessed 2 Oct 1998].	
	CC	"Research Areas in Affective Computing," http://www.media.mit.edu/affect/, p. 1 [Accessed 2 Oct 1998]	
	CD	"Research on Affective Pattern Recognition and Modeling," http://www.media.mit.edu/affect/AC_research/recognizing.html, pp. 1-4 [Accessed 2 Oct 1998].	
	CE	"Research on Sensing Human Affect," http://www.media.mit.edu/affect/AC_research/sensing.html, pp. 1-5 [Accessed 2 Oct 1998].	
	CF	"Smart Rooms," http://vismod.www.media.mit.edu/vismod/demos/smartroom/, pp. 1-3 [Accessed 2 Oct 1998].	
	CG	"SmartDesk Home Page," http://vismod.www.media.mit.edu/vismod/demos/smartdesk/, pp. 1-4 [Accessed 2 Oct 1998].	
	CH	"The MIT Wearable Computing Web Page," http://wearables.www.media.mit.edu/projects/wearables/, pp. 1-3 [Accessed 2 Oct 1998].	
	CI	"Wearable Computer Systems for Affective Computing," http://www.media.mit.edu/affect/AC_research/wearables.html, pp. 1-5 [Accessed 2 Oct 1998].	
	CJ	Aoki, Hisashi et al., "Realtime Personal Positioning System for a Wearable Computer," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CK	Bauer et al., "A Collaborative Wearable System with Remote Sensing," University of Oregon, February 1996	
	CL	Billinghurst, Mark and Thad Starner, "New Ways to Manage Information," *IEEE*, pp. 57-64, January 1999.	

EXAMINER	DATE CONSIDERED
Todesse Hank	11-20-03

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Sheet	3	of	3	Attorney Docket No.	294438026US	**JUL 18 2002**

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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published.	T
TH	CM	Bowskill, J. et al., "Wearable Location Mediated Telecommunications; A First Step Towards Contextual Communication," 3rd International Symposium on Wearable Computers," San Francisco, California, October 18-19 1999	
	CN	Dey, Anind K. et al., "The Conference Assistant: Combining Context-Awareness with Wearable Computing," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CO	Finger et al., "Rapid Design and Manufacture of Wearable Computers," Communication of the ACM, Vol. 39, No. 2, February 1996, pp. 63-68	
	CP	Golding, Andrew and Neal Lesh, "Indoor Navigation Using a Diverse Set of Cheap, Wearable Sensors," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CQ	Hull et al., "Towards Situated Computing," Hewlett-Packard Laboratories, HPL-97-66 (1997).	
	CR	Kirsch, Dana, "The Sentic Mouse: A tool for measuring emotional valence," http://www.media.mit.edu/affect/AC_research/projects/sentic_mouse.html, pp. 1-2 [Accessed 2 Oct 1998].	
	CS	Kortuem et al., "Context-Aware, Adaptive Wearable Computers as Remote Interfaces to 'Intelligent' Environments," University of Oregon, October 1998	
	CT	Kortuem, Gerd, "When Cyborgs Meet: Building Communities of Cooperating Wearable Agents," 3rd International Symposium on Wearable Computers," San Francisco, California, October 18-19, 1999	
	CU	Lashkari, Yezdi et al., "Collaborative Interface Agents," Proccedings of AAAI '94 Conference, Seattle, Washington, August 1994	
	CV	Lehikoinen, Juha et al., "MEX: A Distributed Software Architecture for Wearable Computers," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CW	Leonhardi, Alexander et al., "Virtual Information Towers – A Metaphor for Intuitive, Location-Aware Information Access in a Mobile Environment, 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CX	Lunt, Teresa F. et al., "Knowledge-Based Intrusion Detection," Proceedings of the Annual Artificial Intelligence Systems in Government Conference, IEEE Comp. Soc. Press, Vol. Conf. 4, 1989, pages 102-107.	
	CY	Maes, Pattie, "Agents That Reduce Work and Information Overload," Communications of the ACM, Vol. 37, No. 7, July 1994	
	CZ	Mann, Steve, "'Smart Clothing': Wearable Multimedia Computing and 'Personal Imaging' to Restore the Technological Balance Between People and Their Environments", ACM Multimedia, November 1996, pp. 163-174	
	DA	Metz, Cade, "MIT: Wearable PCs, Electronic Ink, and Smart Rooms," PC Magazine, pp. 192-193, June 1998.	
	DB	Oakes, Chris, "The Truman Show Realized?," http://www.wired.com/news/news/technology/story/15745.html, pp. 1-4 [Accessed 21 Oct 1998].	
	DC	Picard, R.W. and Healey, J., "Affective Wearables," Personal Technologies vol. 1: 231-240, MIT Media Laboratory (1997).	
	DD	Rekimoto et al., "The World through the Computer: Computer Augmented Interaction with Real World Environments, " ACM, November 1995, pp. 29-36	
	DE	Rhodes, Bradley, "WIMP Interface Considered Fatal," http://rhodes.www.media.mit.edu/people/rhodes/Papers/no-wimp.html, pp. 1-3 [Accessed 2 Oct 1998].	
	DF	Rhodes, Bradley, J. "The Wearable Remembrance Agent: A System for Augmented Memory," Proceedings of the First International Symposium on Wearable Computers (ISWC '97), Cambridge, MA, October 13-14, 1997	
	DG	Sato, J. et al., "Autonomous Behavior Control of Virtual Actors Based on the AIR Model," Proceedings Computer Animation, June 5, 1997.	
	DH	Schneider, Jay and Jim Suruda, "Modeling Wearable Negotiation in an Opportunistic Task Oriented Domain," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19 1999	
	DI	Smailagic et al., "Matching interface design with user task: Modalities of Interaction with CMU Wearable Computers," IEEE Personal Communications, February 1996, pp. 14-25	
	DJ	Smailagic, Asim et al., "MoCCA: A Mobile Communication and Computing Architecture," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	DK	Starner et al., "Visual Contextual Awareness in Wearable Computing," Media Lab, MIT, October 1998	
	DL	Tan, Hong Z. and Alex Pentland, "Tactual Displays for Wearable Computing," IEEE, Massachusetts Institute of Technology Media Laboratory, pp. 84-88, 1997.	
	DM	Yang, Jie et al., "Smart Sight: A Tourist Assistant System," 3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	

EXAMINER	DATE CONSIDERED
[signature] Tedesse Hailu	11-20-03

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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